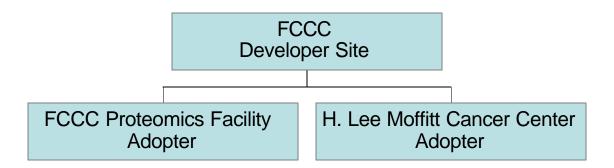
#### **Proteomics LIMS**

Presented by: Thomas Moloshok
Fox Chase Cancer Center
Philadelphia, PA



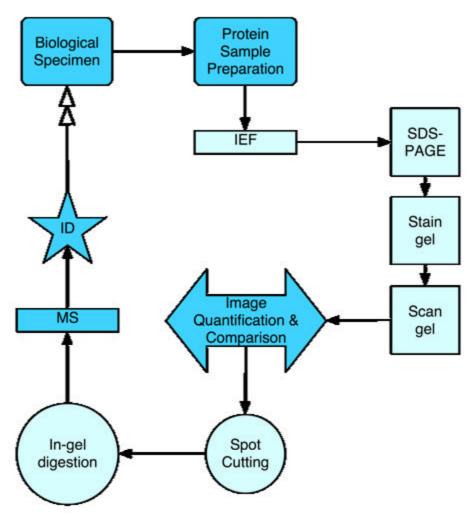


# Developer-Adopter Relations



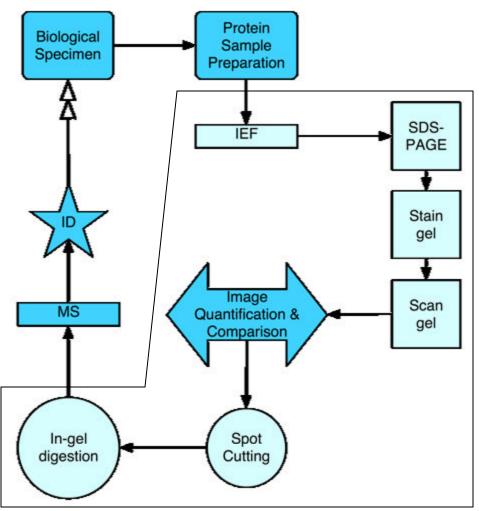






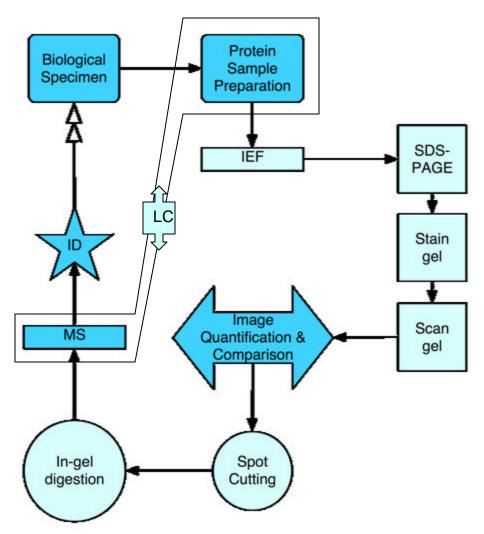








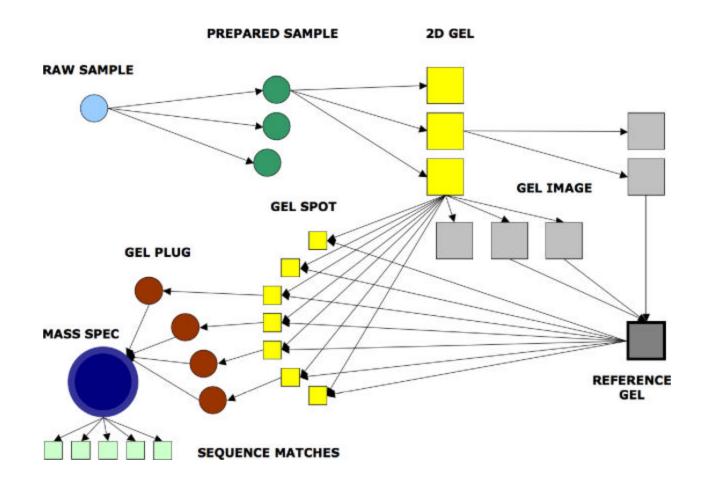




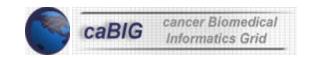




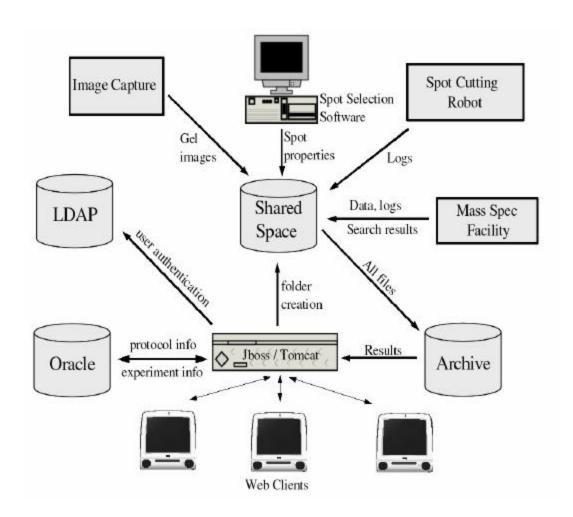
#### Overview of Data Flow







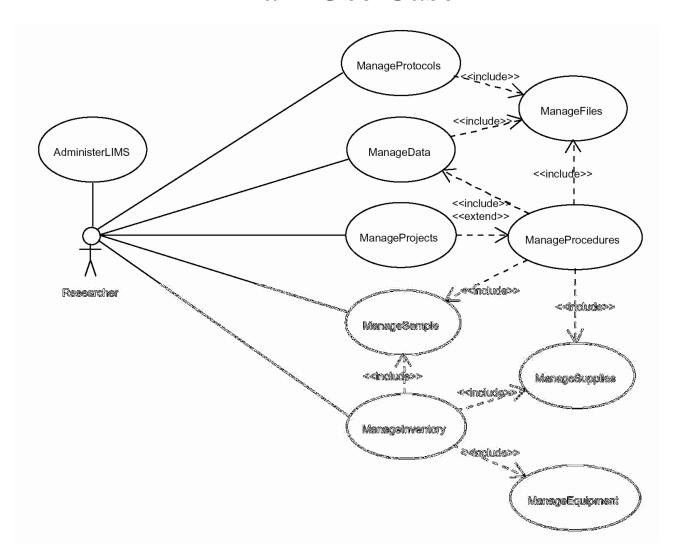
#### Overview of Deployment



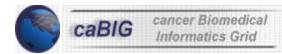




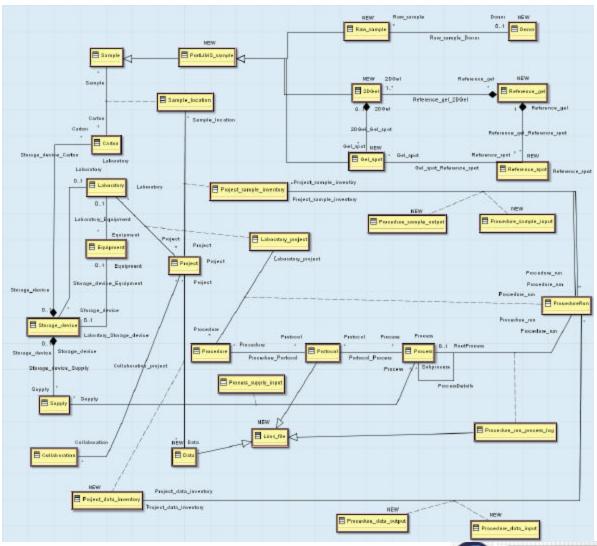
#### Main Use Case







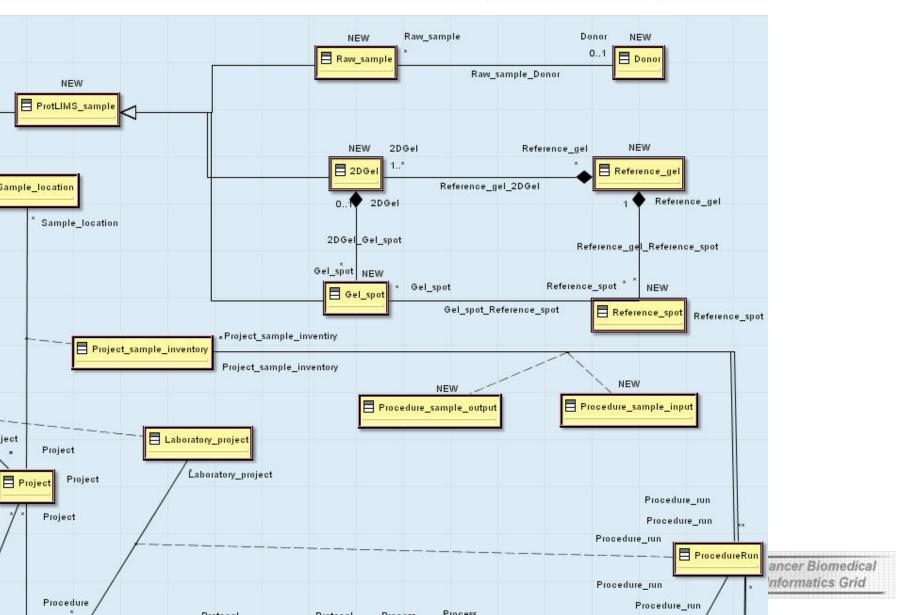
# Main Class Diagram



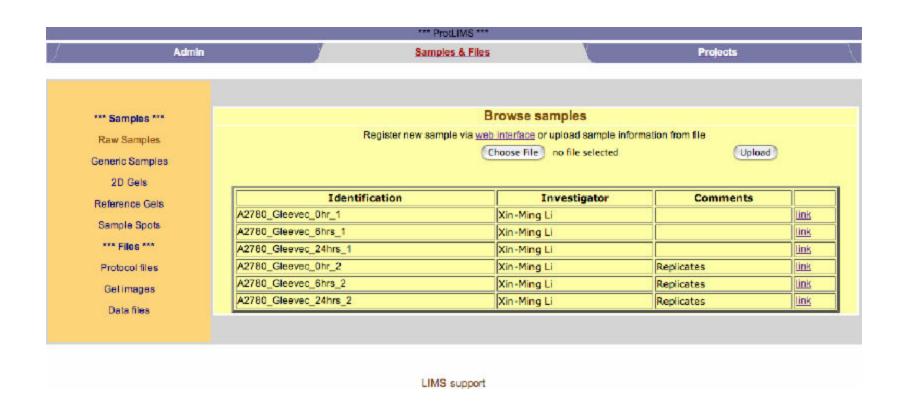
cancer Biomedical Informatics Grid



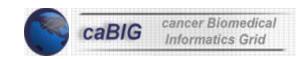
## Main Class Diagram - Samples



#### **Browse Samples**



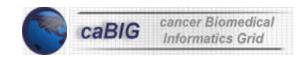




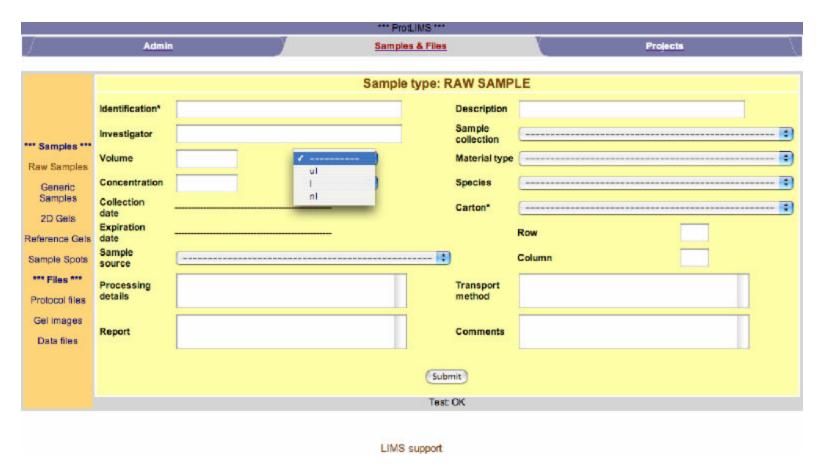
#### Creating a Raw Sample Record

| *** ProtLIMS ***   |                         |   |                 |                   |          |  |  |  |
|--------------------|-------------------------|---|-----------------|-------------------|----------|--|--|--|
| Admin              |                         | 7 | Samples & Files |                   | Projects |  |  |  |
|                    |                         |   |                 |                   |          |  |  |  |
|                    | Sample type: RAW SAMPLE |   |                 |                   |          |  |  |  |
|                    | Identification*         |   |                 | Description       |          |  |  |  |
| *** Samples ***    | Investigator            |   |                 | Sample collection |          |  |  |  |
| Raw Samples        | Volume                  |   | •               | Material type     |          |  |  |  |
| Generic            | Concentration           |   | •               | Species           | (        |  |  |  |
| Samples<br>2D Gels | Collection date         |   |                 | Carton*           |          |  |  |  |
| Reference Gels     | Expiration date         |   |                 |                   | Row      |  |  |  |
| Sample Spots       | Sample<br>source        | [ |                 |                   | Column   |  |  |  |
| *** Files ***      | Processing              |   |                 | Transport         |          |  |  |  |
| Protocol files     | details                 |   | method          |                   |          |  |  |  |
| Gel images         | Report                  |   |                 | Comments          |          |  |  |  |
| Data files         | Report                  |   | Comments        |                   |          |  |  |  |
|                    |                         |   |                 |                   |          |  |  |  |
|                    | Submit                  |   |                 |                   |          |  |  |  |
|                    | Test OK                 |   |                 |                   |          |  |  |  |
|                    |                         |   |                 |                   |          |  |  |  |
| 1000               |                         |   |                 |                   |          |  |  |  |





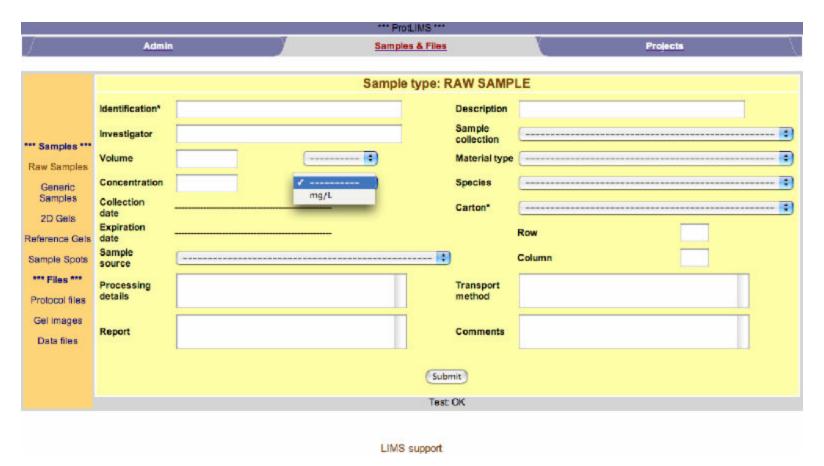
#### Drop-down menus - Sample Volume







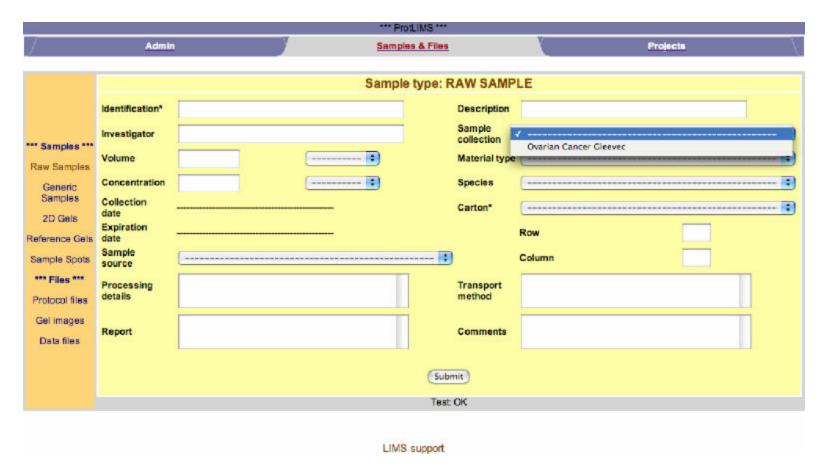
#### Drop-down menus - Sample Concentration







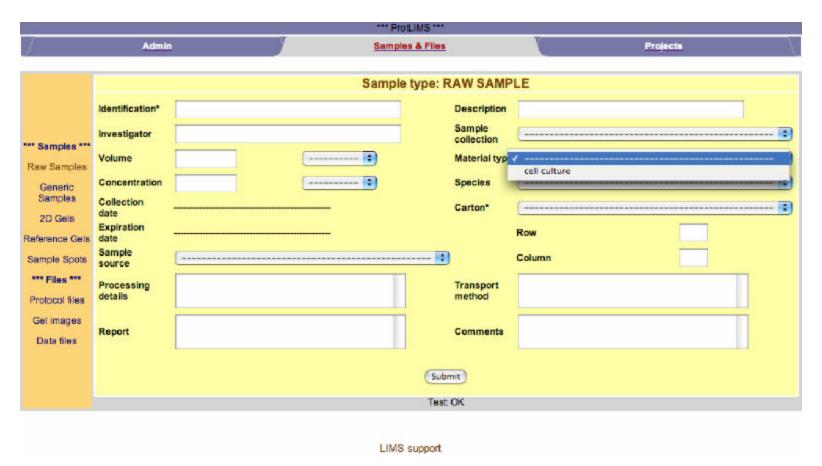
#### Drop-down menus - Sample Collection







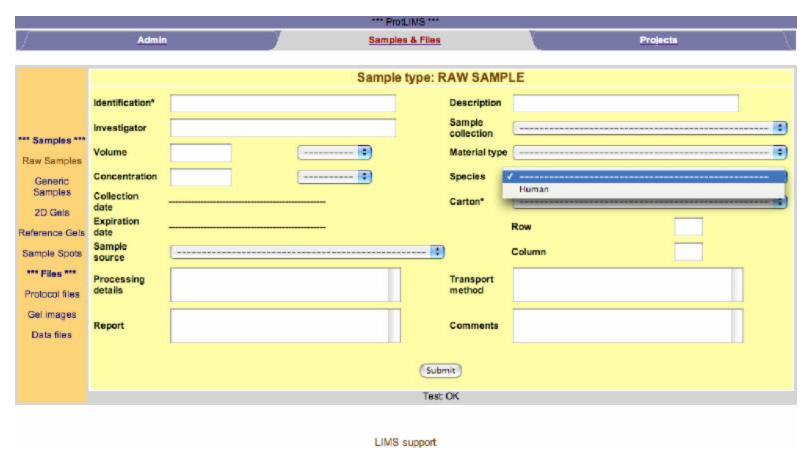
#### Drop-down menus - Material Type







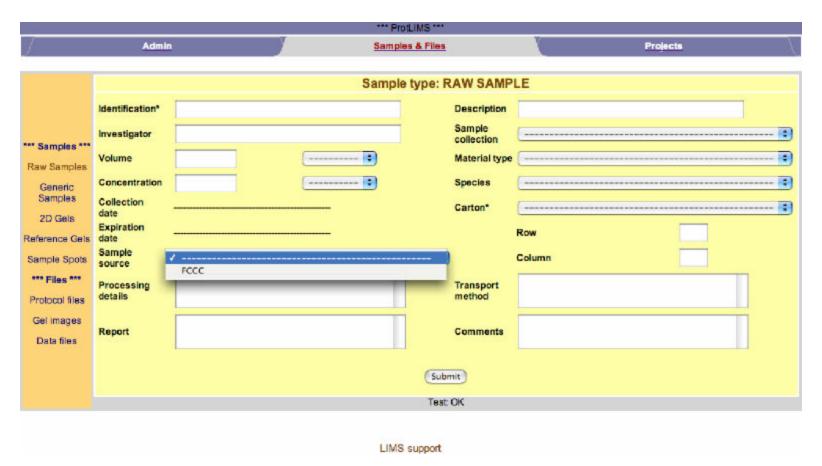
#### Drop-down menus - Species of Sample Origin







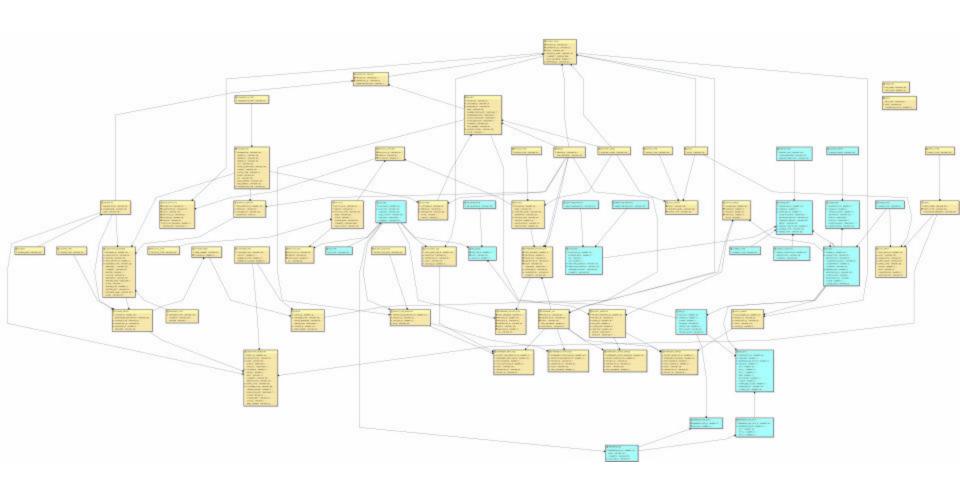
#### Drop-down menus - Sample Source







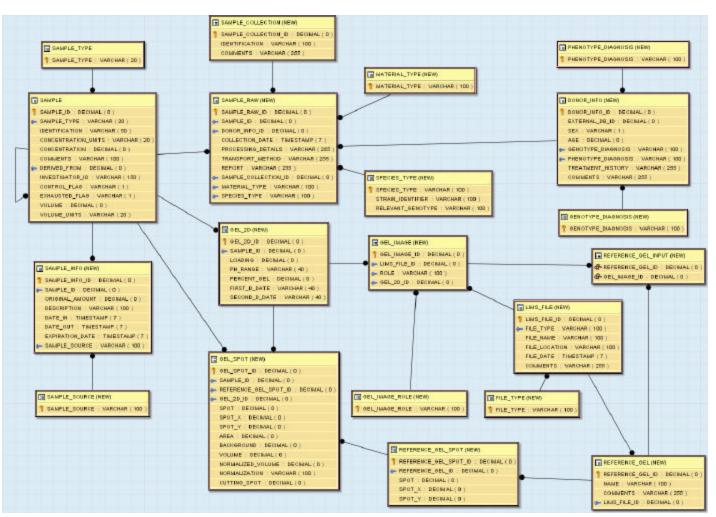
# Entity Relationship Diagram







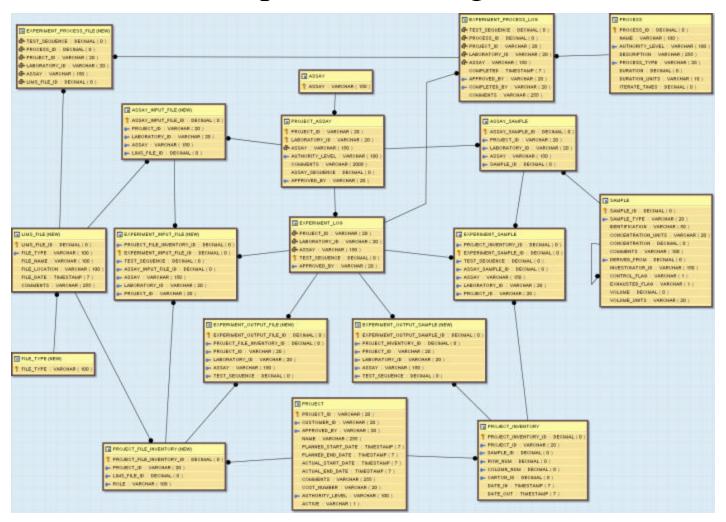
# Entity Relationship Diagram Sample







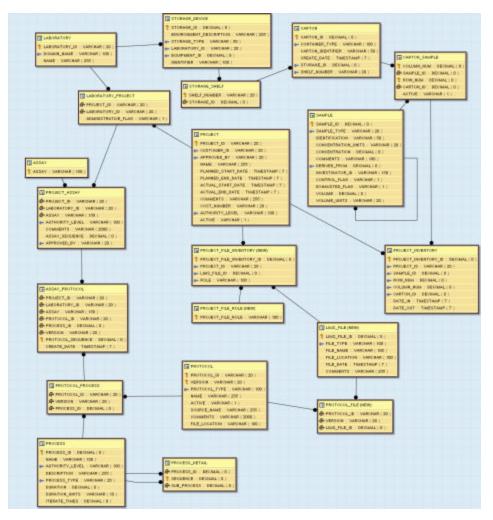
# Entity Relationship Diagram Experiment Design





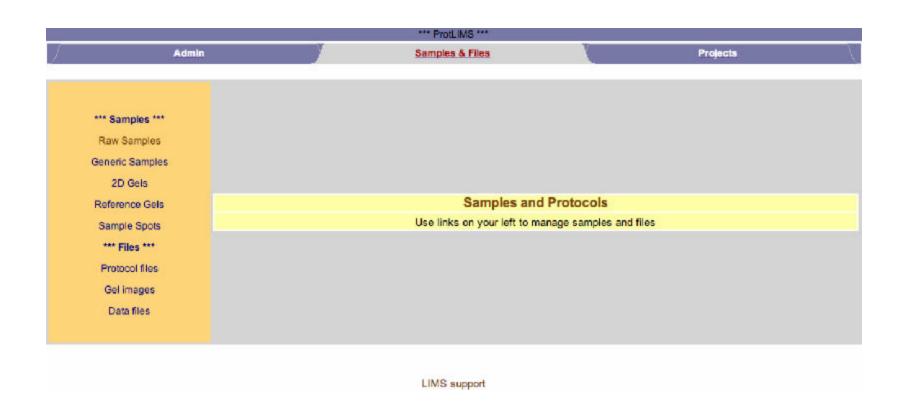


# Entity Relationship Diagram Project Design













#### Administration

| *** ProtLIMS ***       |   |          |  |  |  |  |  |
|------------------------|---|----------|--|--|--|--|--|
| Admin                  | Samples & Files   | Projects |  |  |  |  |  |
| Direct Database access | Administration  Click link on your left to access proteomicsLIMS database via web interface |          |  |  |  |  |  |
|                        | LIMS support  |          |  |  |  |  |  |





# **Projects**







